

# PATENT COOPERATION TREATY

To:

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# PCT

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year)	1 September 2004 (01.09.2004)
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Applicant's or agent's file reference  
**20273\_easy**

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
**PCT/KR 2004/000866**

International filing date (day/month/year)  
**14 April 2004 (14.04.2004)**

Priority Date (day/month/year)  
**14 April 2003 (14.04.2003)**

International Patent Classification (IPC) or both national classification and IPC  
**B60N 2/48**

Applicant

**CHUNG HAE IL**

**1. This opinion contains indications relating to the following items:**

- ☒ Cont. No. I Basis of the opinion
- ☐ Cont. No. II Priority
- ☐ Cont. No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Cont. No. IV Lack of unity of invention
- ☒ Cont. No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Cont. No. VI Certain documents cited
- ☒ Cont. No. VII Certain defects in the international application
- ☐ Cont. No. VIII Certain observations on the international application

**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

**3. For further details, see notes to Form PCT/ISA/220.**

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INTERNATIONAL SEARCHING AUTHORITY

10/553339

International application No.  
PCT/KR 2004/000866

Continuation No. I

JC20 Rec'd PCT/PTO 14 OCT 2005

**Basis of the opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed.

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Continuation No. V

**Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Statement

Novelty (N)	Claims 1 - 9	YES
	Claims ----	NO
Inventive step (IS)	Claims 1 - 9	YES
	Claims ----	NO
Industrial applicability (IA)	Claims 1 - 9	YES
	Claims ----	NO

2. Citations and explanations:

Document **US 6000760 A** shows a device for moving headrest back and forth comprising a stay mounted with a horizontal portion and a and a pair of parallel vertical portions; a ratchet member provided with a gear portion formed with a plurality of teeth and a jaw; a tilt adjusting device comprising a pair of parallel members, each having a lower portion in pivotal engagement with the horizontal portion of said stay; a check member comprising a pivotable gear having teeth to travel on and engage with the teeth of said ratchet member installed so that the reverse rotation of the tilt adjusting device may be prevented; a back and forth movement device comprising a pair of parallel members and arranged to move the headrest back and forth; a first torsion coil spring, two ends which are respectively hooked on the horizontal portion of said stay and one of the parallel members of said tilt adjusting device;

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a second torsion coil spring; and  
a mobile shaft axially mounted to pass through upper portions of the parallel members of said back and forth movement device.

However, the cited document does not display that  
one end of the back and forth movement device is pivotably connected to the horizontal portion of said stay; and  
one end of the second torsion coil spring is hooked on said pivotable gear.

Therefore, the subject-matter of claim 1 meets the requirement of novelty and involves an inventive step. The last cited features ensure that the tilt adjusting device and the back and forth movement device are combined, like illustrated in the present application, while separately required in the state of the art document US 6 000 760 A.

Furthermore, the subject-matters of claims 2 to 9, concerning advantageous developments of the subject-matter of claim 1, are new and involve an inventive step, too.

Industrial applicability is given.

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**Continuation No. VII:**

**Certain defects in the international application**

The following defects in the form or contents of the international application have been noted:  
The reference signs TAD and CM cited in the abstract and the description are not indicated in the drawings. \_\_\_\_\_